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POXURIO DK2450iAED

POXURIO 2450-Watt Dual Fuel Inverter Generator User Manual

Model: DK2450iAED

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your POXURIO 2450-Watt Dual Fuel Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

2. Safety Information

Always follow safety precautions to reduce the risk of fire, electric shock, and injury. Keep this manual for future reference.

2.1 General Safety Rules

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in enclosed spaces. Use only outdoors and far away from windows, doors, and vents. Carbon monoxide is a colorless, odorless, poisonous gas.
- **Fire Hazard:** Fuel is highly flammable. Do not refuel while the engine is running or hot. Store fuel in an approved container in a well-ventilated area.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are dry and secure.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for a period after shutdown. Avoid contact.
- **Children and Pets:** Keep children and pets away from the generator during operation.

2.2 Fuel Safety

- Use fresh, unleaded gasoline with an octane rating of 87 or higher.
- For propane (LPG) operation, ensure the propane tank is securely connected and free of leaks.
- Do not overfill the fuel tank.

3. Product Components and Features

Your POXURIO 2450-Watt Dual Fuel Inverter Generator is designed for versatility and ease of use. Key components and features include:

- **Engine:** Inverter type, providing stable and clean power.
- **Fuel Tank:** 6-liter capacity, supporting extended runtimes.
- **Control Panel:** Features power outlets, reset button, and indicator lights.
- **Recoil Start:** For manual engine starting.
- **Dual Fuel Capability:** Operates on both gasoline and propane.
- **Portability:** Lightweight design (approx. 40 lbs) with integrated handle for easy transport.
- **Low Noise Operation:** Engineered to operate quietly at approximately 59 dB.



Figure 3.1: Front view of the POXURIO 2450-Watt Dual Fuel Inverter Generator, highlighting its compact and portable design.



Figure 3.2: The generator showcasing its upgraded 6-liter fuel capacity, capable of running up to 8.3 hours at 25% load. Key specifications like 120V rated voltage, 60Hz rated frequency, 4800RPM rated speed, and 121.6cc displacement are also indicated.

4. Setup and First Use

4.1 Unpacking and Inspection

1. Carefully remove the generator from its packaging.
2. Inspect for any shipping damage. Contact customer support if damage is found.

3. Ensure all included components are present (inverter generator, user manual, etc.).

4.2 Adding Engine Oil

The generator is shipped without engine oil. It is crucial to add the correct type and amount of oil before first use.

- Place the generator on a level surface.
- Remove the oil fill cap/dipstick.
- Slowly add recommended engine oil (e.g., SAE 10W-30) until it reaches the upper mark on the dipstick. Do not overfill.
- Securely replace the oil fill cap/dipstick.

4.3 Adding Fuel (Gasoline)

Use fresh, unleaded gasoline with an octane rating of 87 or higher.

1. Ensure the generator is turned off and cool.
2. Open the fuel tank cap.
3. Carefully pour gasoline into the tank, avoiding spills. Do not fill past the red indicator.
4. Securely close the fuel tank cap.

4.4 Connecting Propane (LPG)

For propane operation, connect a standard propane cylinder (not included) to the generator's LPG inlet.

1. Ensure the generator is turned off and cool.
2. Connect the propane hose from the cylinder to the generator's LPG inlet.
3. Tighten all connections securely to prevent leaks.
4. Slowly open the valve on the propane cylinder.

5. Operating Instructions

5.1 Starting the Generator (Gasoline)

1. Place the generator on a flat, outdoor surface, away from combustible materials.
2. Ensure no electrical devices are connected to the outlets.
3. Turn the fuel valve to the "ON" position.
4. Set the engine switch to "ON".
5. Pull the recoil starter handle firmly and smoothly until the engine starts.
6. Once started, allow the engine to warm up for a few minutes before connecting electrical loads.

5.2 Starting the Generator (Propane)

1. Follow steps 1 and 2 from "Starting the Generator (Gasoline)".
2. Ensure the propane tank is connected and its valve is open.
3. Set the engine switch to "ON".
4. Pull the recoil starter handle firmly and smoothly until the engine starts.
5. Once started, allow the engine to warm up for a few minutes before connecting electrical loads.

5.3 Connecting Electrical Loads

- Only connect appliances that match the generator's voltage and wattage ratings.
- Plug in devices one at a time, starting with the highest wattage appliance.

- Do not overload the generator. Monitor the load indicator lights on the control panel.

5.4 Parallel Operation

The POXURIO 2450-Watt Dual Fuel Inverter Generator is parallel capable, allowing you to connect two identical units for increased power output. A parallel kit (sold separately) is required.

1. Ensure both generators are turned off and cool.
2. Connect the parallel kit cables to the designated parallel ports on both generators.
3. Start both generators according to the instructions above.
4. Once both are running stably, you can connect your electrical loads to the outlets on the parallel kit.



Figure 5.1: Two POXURIO inverter generators connected via a parallel kit, demonstrating their capability to combine power for higher output.

6. Maintenance

Regular maintenance is essential for the longevity and optimal performance of your generator. Always ensure the

generator is off and cool before performing any maintenance.

6.1 Engine Oil Change

- Change engine oil after the first 20 hours of operation, then every 50-100 hours or annually.
- Drain old oil while the engine is warm.
- Refill with recommended oil type and quantity.

6.2 Air Filter Cleaning/Replacement

- Inspect the air filter every 50 hours or monthly.
- Clean with warm, soapy water, rinse, and allow to dry completely.
- Replace if damaged or excessively dirty.

6.3 Spark Plug Inspection

- Inspect the spark plug every 100 hours or annually.
- Clean carbon deposits and adjust the gap if necessary. Replace if worn.

6.4 Storage

If storing the generator for more than 30 days:

- Drain the fuel tank and carburetor. Run the engine until it stops from lack of fuel.
- For propane, disconnect the tank and store it separately.
- Change the engine oil.
- Store in a clean, dry, well-ventilated area.

7. Troubleshooting

This section provides solutions to common operational issues. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel / Low oil level / Spark plug issue / Engine switch OFF	Add fuel / Add oil / Clean or replace spark plug / Turn engine switch ON
No power output	Overload / Circuit breaker tripped / ECO mode engaged (for some models)	Reduce load / Reset circuit breaker / Disengage ECO mode if necessary
Engine runs rough	Stale fuel / Clogged air filter / Dirty spark plug	Drain and replace fuel / Clean air filter / Clean or replace spark plug

8. Technical Specifications

Specification	Value
Brand	POXURIO
Model Name	DK2450iAED
Starting Wattage	2450 Watts
Running Wattage	2450 Watts

Specification	Value
Fuel Type	Gasoline, Propane
Voltage	120 Volts
Engine Type	Inverter
Tank Volume	6 Liters (1.6 Gallons)
Runtime (25% Load)	Up to 14 hours
Noise Level	Approx. 59 dB
Item Weight	40 pounds
Product Dimensions (L x W x H)	19.3" x 11.8" x 19.3"
Total Power Outlets	3
UPC	790864450331

9. Warranty and Support

Your POXURIO 2450-Watt Dual Fuel Inverter Generator comes with a**1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or replacement parts, please contact POXURIO customer service. Keep your proof of purchase for warranty validation.
For more information, visit the official POXURIO store:POXURIO Store

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